

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q94561

Takase, et al.

Serial No.: 10/579,790

Art Unit: 4145

Filed : May 18, 2006

Examiner: NICOLE M. BUIE

Title : Process for production of fluorine-containing polymers and fluorine-containing polymers

DECLARATION UNDER RULE 132

Honorable Commissioner of Patents and Trademarks,

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

I, Yoshiyuki Takase, a citizen of Japan and having postal mailing address of c/o DAIKIN INDUSTRIES, Ltd., Yodogawa Plant. 1-1, Nishihitotsuya, Settsu-shi, Osaka 566-8585 JAPAN, declare and say that:

In March 1999, I was graduated from Doshisya University Graduate School of Engineering;

I am one of the inventors of the above-identified application and familiar with the subject matter thereof;

I have read the Official Action mailed and the references cited therein and I am familiar with the subject matter thereof;

I respectfully submit herewith my exact report thereon.

The following experiments were conducted by me or

under my direct supervision.

#### Comparative Example 3

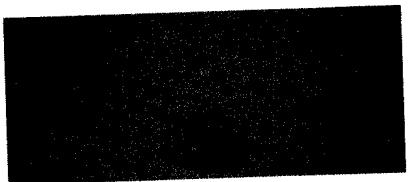
The procedure of Example 1 was followed in the same manner except that a 0.1% (by mass) aqueous solution of potassium carbonate [ $K_2CO_3$ ] was added to the fluoropolymer (A) so that potassium carbonate [ $K_2CO_3$ ] might amount to 3 ppm by mass and, after evaporation of the moisture, the fluoropolymer was fed to the extruder and that the rate of addition of air was 0.078 kg/hour.

#### Heating Test

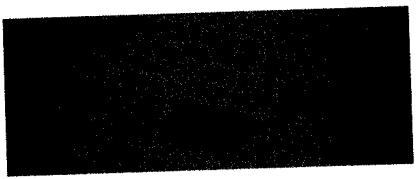
Fluoropolymers (B) obtained in Example 1, Comparative Examples 1 and 3 were heated at  $400^{\circ}C$  for 5 hours in  $N_2$ .

Fluoropolymers of Comparative Examples 1 and 3 were discolored as shown below.

Example 1 (Total metal content :  $\leq 1$  ppm)



Comparative Example 3 (Total metal content : 3 ppm)



Comparative Example 1 (Total metal content : 14 ppm)



I declare further that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Signed this 27 th day of May, 2008

Yoshiyuki Takase  
Yoshiyuki Takase